

**PUB-NO:** **DE004118311A1**

**DOCUMENT-IDENTIFIER:** **DE 4118311 A1**

**TITLE:** **Shoe with sole and upper - has sandwich construction**  
**insole with ventilation channels leading to top surface**

**PUBN-DATE:** **December 10, 1992**

**INVENTOR-INFORMATION:**

<b>NAME</b>	<b>COUNTRY</b>
<b>LEDERER, STEFAN</b>	<b>DE</b>

**ASSIGNEE-INFORMATION:**

<b>NAME</b>	<b>COUNTRY</b>
<b>LEDERER STEFAN</b>	<b>DE</b>

**APPL-NO:** **DE04118311**

**APPL-DATE:** **June 4, 1991**

**PRIORITY-DATA:** **DE04118311A ( June 4, 1991)**

**INT-CL (IPC):** **A43B007/06, A43B013/40 , A43B017/08**

**EUR-CL (EPC):** **A43B017/08 ; A43B007/06**

**US-CL-CURRENT: 36/3B, 36/30R**

**ABSTRACT:**

**CHG DATE=19990617 STATUS=O>The shoe comprises an insole fixed to an upper, and a walking sole joined to the insole and/or upper. The insole is of sandwich construction in two or more layers of moisture-absorbent material joined together one above the other. Ventilation channels are formed in one or both of their mating surfaces, and are connected to ventilation ports through the top layer. One layer at least can be of compressed fibre with a bonding additive. A stabilising layer of compressed cardboard can be glued to the underside of the bottom layer, and in turn glued on its underside to a bottom plate of recycled leather. AGO(Sic) glue can be used to secure the bottom plate to the upper, and the waling sole can be of rubber or polyruethane.**

**ADVANTAGE - Driving action during**

10

102 (b)

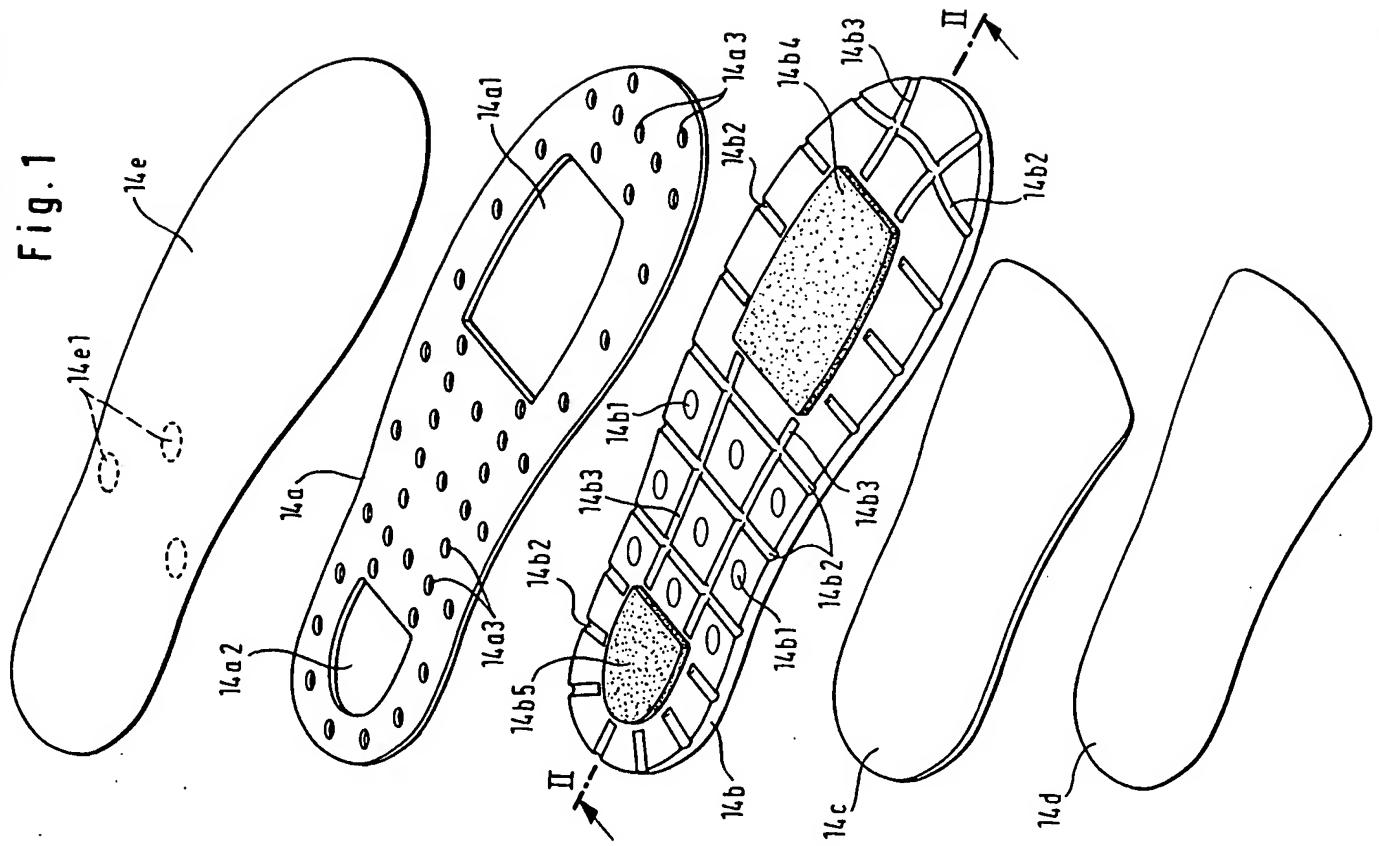


Fig. 2

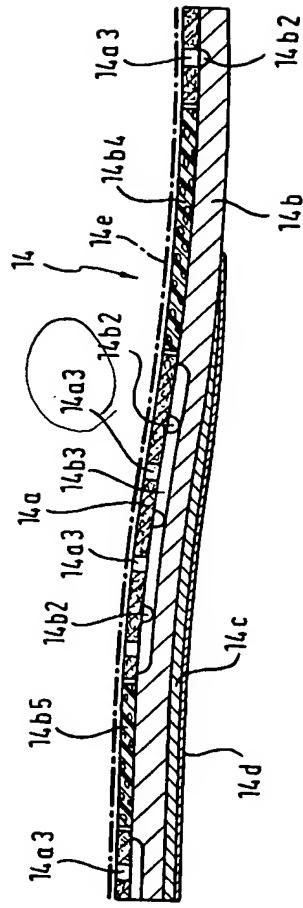


Fig. 3

